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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Applicant:

NATHAN ET AL.

Serial No.: 10/632,955

Filed: 4 August, 2003

FOR: METHOD AND SYSTEMS FOR  
DYNAMICALLY CONTROLLING ELECTRO-  
MAGNETIC WAVE MOTION THROUGH A  
PHOTONIC CRYSTAL

Group Art Unit: 2813

Attorney Docket: 27/217

Examiner: Jennifer M. Dolan

Commissioner of Patents and Trademarks

Alexandria, Virginia 22313

## RESPONSE

Madam:

This is in response to the United States Patent and Trademark Office Action mailed 21 January 2005, which response is being made on or before 21 April 2005, and for which no extension fee is due.

Please amend the above-identified application as follows